### IN THE CLAIMS

Cancel claims 1-13 without prejudice or disclaimer, and add new claims 14-18 as follows:

14. (New) A resin-encapsulated semiconductor apparatus comprising:

a semiconductor device having a ferroelectric film and a surface-protective film, and

an encapsulant member comprising a resin;
wherein said surface-protective film consists of a heat-cured
polyimide prepared by heat-curing a polyimide precursor
containing:

a polyimide acid comprising repeating units represented by a chemical formula (I) as given below;

an amine compound having carbon-carbon double bonds;

a photopolymerization initiator and/or a sensitizer wherein

an amount of said amine compound is 1 to 400 parts by weight based on 100 parts by weight of said polyimide precursor and a total amount of said photopolymerization initiator and said sensitizer is 0.1 to 30 parts by weight based on 100 parts by weight of said polyimide precursor;

Formula (I)

$$\begin{array}{c}
-\left[-CO-R^{1}-CO-NH-R^{2}-NH\right]\\
(COOH)_{2}
\end{array}$$
... (1)

wherein  $R^1$  is at least one of tetravalent aromatic organic groups shown in the following chemical formula group (II) shown below, and  $R^2$  is at least one of divalent aromatic organic groups shown in a chemical formula groups (III) and (IV) shown below;

## Formula (II)

7

# Formula (III)

Formula (IV)

- 15. (New) The resin-encapsulated semiconductor apparatus according to claim 14, wherein said heat-cured polyimide has a glass transition temperature of from 240°C to 400°C.
- 16. (New) The resin-encapsulated semiconductor apparatus according to claim 14, wherein said heat-cured polyimide has a Young's modulus of from 2600 MPa to 6 GPa.
- 17. (New) The resin-encapsulated semiconductor apparatus according to claim 15, wherein said heat-cured polyimide has a Young's modulus of from 2600 MPa to 6 GPa.
- 18. (New) A process for manufacturing a resinencapsulated semiconductor apparatus comprising a
  semiconductor device having a ferroelectric film and a
  surface-protective film, and an encapsulant member comprising
  a resin, comprising steps of:

forming said surface-protective film consisting of a heat-cured polyimide by heat-curing a polyimide precursor containing:

a polyimide acid comprising repeating units represented by a chemical formula (I) as given below;

an amine compound having carbon-carbon double bonds;

a photopolymerization initiator and/or a sensitizer wherein

an amount of said amine compound is 1 to 400 parts by weight based on 100 parts by weight of said polyimide precursor and a total amount of said photopolymerization initiator and said sensitizer is 0.1 to 30 parts by weight based on 100 parts by weight of said polyimide precursor;

Formula (I)

$$\begin{array}{c}
- CO - R^1 - CO - NH - R^2 - NH \\
(COOH)_2 & \cdots (1)
\end{array}$$

wherein R<sup>1</sup> is at least one of tetravalent aromatic organic groups shown in the following chemical formula group (II) shown below, and R<sup>2</sup> is at least one of divalent aromatic organic groups shown in a chemical formula groups (III) and (IV) shown below;

## Formula (II)

## Formula (III)